Receipt date: 08/11/2006

iAP20 Rec'd PCT/PTO 11 2005 PTGSblds (260b)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Substitute for form 1449B/PTO Complete if Known Unassigner 08/11/2006 INFORMATION DISCLOSURE **Application Number** Filing Date STATEMENT BY APPLICANT First Named Inventor Mariko MATSUMOTO Date Submitted: August 11, 2006 **Group Art Unit** Unassigned (use as many sheets as necessary) **Examiner Name** Unassigned Sheet Attorney Docket Number 072982-0278 of

U.S. PATENT DOCUMENTS								
Examiner Cite Initials* No.1	0.1	U.S. Patent De	ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Number	Kind Code ² (if known)		Cited Document MM-DD-YYYY			
/SA/	A1	2003/0043767	A1	PAN et al.	03-06-2003			
8	A2	2003/0035392	A1	PAN et al.	02-20-2003			
	A3	2002/0159415	A1	PAN et al.	10-31-2002	·		
	A4	6,349,119	B1	SOGABE et al.	02-19-2002			
	A5	6,333,953	B1	BOTTOMLEY et al.	12-25-2001			
W	A6	6,212,371	B1	SAKUMA	04-03-2001			
/SA/	A7	5,291,519		TSURUMARU	03-01-1994			

			UNPUBLISI	HED U.S. PATENT APPLICATION	N DOCUMENTS	
Examiner	Cite	U.S. Patent Application Document		Name of Patentee or Applicant of	Filing Date of	Pages, Columns, Lines, Where Relevant
Initials*	No.1	Serial Number	Kind Code ² (if known)	Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear

			•	F	DREIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No. ¹	F Office		ent Code ⁵ nown)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T. ⁶
/SA/	A8	EP	1 473 853	A1	MATSUSHITA ELEC. IND.	11-03-2004	•	
8	A9	EP	1 128 569	A1	NEC CORPORATION	08-29-2001		,
	A10	EP	0 878 921	A1	MITSUBISHI DENKI	11-18-1998		• •
0000	A11	EP	0 500 326	B1	NEC CORPORATION	07-10-1996		
0000	A12	JP	2004-523957	Α	DEP	08-05-2004		Α
0000	A13	JP	2004-159284	Α	MATSUSHITA DENKI	06-03-2004		Α
	A14	JP	2001-510958	Α	ERICSSON GE MOBILE	08-07-2001		Α
0000	A15	JP	P3135586		MITSUBISHI ELECTRIC	12-01-2000		Α
8000	A16	JP	2000-138656		NEC CORPORATION	05-16-2000		Α
W	A17	JP	11-239082		NEC CORPORATION	08-31-1999		Α
	A18	JP	7-038479		NEC CORPORATION	02-07-1995		Α
8880	A19	JP	5-276059		SONY CORPORATION	10-22-1993		Α
20000	A20	JP	5-207076		NEC CORPORATION	08-13-1993		Α
	A21	JP	4-267647		NEC CORPORATION	09-24-1992		Α
90	A22	WO	2004/025876		MATSUSHITA ELECTRIC	03-25-2004		A
	A23	wo	02/063779	A2	INTERDIGITAL TECH.	08-15-2002		
W	A24	WO	00/27042		NEC CORPORATION	05-11-2000		Α
**	A25	wo	99/04537		ERICSSON INC.	01-28-1999		
/SA/	A26	WO	98/23043		MITSUBISHI DENKI	05-28-1998		Α

Examiner Signature	à	/Sam Ahn/		Date Considered	02/24/2010
-----------------------	---	-----------	--	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ Unique citation designation number. 2See attached Kinds of U.S. Patent Documents. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

AP20 Rec'd PCT/PTO 11 AUG ZUUD

Receipt date: 08/11/2006

105m39m3m6pt@s&ld:(@6d)1

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

	Substitute for forr	n 1449B/	РТО		Complete if Known		
	INFORMATION (DISCLO	SURE	Application Number	Unassigned 1 289346		
	STATEMENT BY	APPLI	CANT	Filing Date	08/11/2006		
	Data Submitted: A	uguet 1	1 2006	First Named Inventor	Mariko MATSUMOTO		
	Date Submitted: A	ugust	1, 2006	Group Art Unit	Unassigned		
	(use as many sheet	ts as ne	cessary)	Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	072982-0278		

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	Fore Office ³	eign Patent [Number ⁴	Ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶	
								1	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T⁵
/SA/	A27	T. KAWAMURA et al., "Throughput Comparison Between Multipath Interference Canceller and Chip Equalizer in HSDPA," Technical Report of IEICE, Vol. 101:545, 2002, pp. 89-96.	
			
· · · · · · · · · · · · · · · · · · ·			

Examiner Signature	/Sam Ahn/	Date Considered	02/24/2010
Signature	/ Can / Ann	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ Unique citation designation number. 2See attached Kinds of U.S. Patent Documents. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.